

**FIELD ACTIVITIES OVERSIGHT REPORT  
GULFCO MARINE MAINTENANCE SITE, FREEPORT, TEXAS  
OVERSIGHT ACTIVITIES CONDUCTED ON 5 OCTOBER 2006**

This Field Activities Oversight Report summarizes remedial investigation/feasibility study (RI/FS) oversight activities conducted on 5 October 2006 at the Gulfco Marine Maintenance (Gulfco) Superfund Site, Freeport, Texas. As requested by the U.S. Environmental Protection Agency (EPA), EA Engineering, Science, and Technology, Inc. (EA) performed oversight of ground water and surface water gauging activities conducted by the potentially responsible party (PRP)'s consultant, Pastor, Behling & Wheeler, LLC (PBW).

Participants included:

- Mr. Glen Mason, PBW
- Mr. Duane Thomas, EA

According to EA oversight personnel, PBW performed field activities in accordance with applicable standard operating procedures (SOPs) and the following EPA-approved plans:

- PBW's RI/FS Work Plan (May 2005)
- PBW's Sampling and Analysis Plan (SAP; May 2006).

### **Health and Safety**

PBW conducted a health and safety briefing prior to initiating field activities. Any safety issues and protocols concerning work were discussed during the health and safety meetings. Poisonous snakes were identified as a major hazard of concern.

### **Weather Conditions**

During ground water and surface water gauging activities, the weather was hot and humid with a temperature of 82 °F. Visibility was initially limited due to foggy conditions.

### **Site Conditions**

EA observed that the site was heavily overgrown with vegetation and infested with mosquitos.

### **Site Activities**

On 5 October 2006, onsite activities commenced at 1025 hours, when PBW arrived on site, and ended at 1405 hours, when PBW and EA departed the site.

Initially, PBW removed all monitoring well caps and allowed the wells to vent. Additionally, PBW re-labeled each of the monitoring wells with a paint marker.

PBW used an EnviroSupply Model 101 water level meter to gauge ground water and surface water levels, and a Solinst Model 122 interface probe to detect any nonaqueous-phase liquids (NAPL) in select monitoring wells. EA noted that PBW adhered to their SOPs for water level measurement and equipment decontamination of the meter between gauging stations.

From 1124 to 1350 hours, PBW collected water level data from 23 onsite monitoring wells and three surface water locations. Using an interface probe, PBW also investigated nine onsite monitoring wells for the presence of NAPL; NAPL was not detected in any of the nine wells. Table 1 summarizes the water level gauging activities conducted by PBW.

TABLE 1 WATER LEVEL MEASUREMENTS (5 OCTOBER 2006)

Well ID	Measuring Device	Time	Well Diameter (inches)	Elevation (top of well casing) (feet)	Depth to Water (below top of casing) (feet)	NAPL
SJ1-MW-15	WLM	1124	2	5.61	4.35	---
SL8-MW-17	WLM	1135	2	5.87	4.21	---
SJ7-MW-16	WLM	1141	2	7.19	5.49	---
SH7-MW-14	WLM	1147	2	8.10	6.36	---
SF6-MW-11	WLM	1153	2	8.11	6.43	---
SF7-MW-12	WLM	1158	2	7.96	6.15	---
SE6-MW-09	WLM	1205	2	7.66	5.84	---
SB4-MW-07	WLM	1207	2	7.57	5.65	---
Bulkhead Measure Point (Ship Channel)	WLM	1213	---	Unknown	3.41	---
SF5-MW-10	WLM	1217	2	8.01	6.01	---
SE1-MW-08	WLM	1222	2	7.54	5.36	---
SG2-MW-13	WLM	1227	2	7.96	5.96	---
ND4-MW-03	WLM	1234	2	6.20	4.13	---
NF2-MW-06	WLM	1241	2	5.35	3.79	---
NE1-MW-04	WLM	1247	2	4.90	3.87	---
ND2-MW-01	IP	1253	2	5.09	3.95	ND
HMW-2	IP	1301	2	4.69	3.71	ND

Well ID	Measuring Device	Time	Well Diameter (inches)	Elevation (top of well casing) (feet)	Depth to Water (below top of casing) (feet)	NAPL
ND3-MW-02	IP	1305	2	6.41	4.27	ND
HMW-1	IP	1309	2	5.15	2.64	ND
HMW-3	IP	1314	2	5.20	3.49	ND
NE3-MW-05	IP	1320	2	6.53	3.66	ND
South Pond Benchmark	WLM	1325	---	3.53	1.94	---
North Pond Benchmark	WLM	1330	---	3.30	1.76	---
MW-3	IP	1337	2	7.23	5.58	ND
MW-2	IP	1342	2	5.38	3.85	ND
MW-1	IP	1346	2	6.75	4.38	ND
Notes: --- Not applicable IP Interface probe (Solinst Model 122) NAPL Nonaqueous-phase liquids ND Not detected WLM Water level meter (EnviroSupply Model 101)						

At 1405 hours, EA and PBW demobilized from the site.

## REFERENCES

Pastor, Behling & Wheeler, LLC (PBW). 2005. "Remedial Investigation and Feasibility Study (RI/FS) Work Plan for the Gulfco Marine Maintenance Superfund Site, Freeport, Texas." May.

PBW. 2006. "Sampling and Analysis Plan – Volume 1. Field Sampling Plan for the Gulfco Marine Maintenance Superfund Site, Freeport, Texas." May.